



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

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#6  
VT  
8/5/02

In re Patent Application of

TAKAHASHI

Atty. Ref.: 1767-43

Serial No. 09/271,905

Group: 2613

Filed: March 18, 1999

Examiner: A. Wong

For: MOVEMENT VECTOR GENERATING APPARATUS AND  
METHOD, AND IMAGE ENCODING APPARATUS AND  
METHOD

RECEIVED

AUG 02 2002

Technology Center 2600

July 29, 2002

Assistant Commissioner for Patents  
Washington, DC 20231

Sir:

07/31/2002 HMARZI1 00000048 09271905

01 FC:103  
02 FC:102

72.00 OP  
336.00 OP

AMENDMENT

In response to the office action dated January 29, 2002 (for which petition is hereby made for a three-month extension of time), please amend the subject patent application as follows. The changes made to the claims by the current amendment are shown in the attachment hereto, the first page of which is captioned "Version marked to show changes made."

IN THE CLAIMS

Please replace claims 5 and 12 with the following rewritten claims:

5. (Amended) A movement vector generating apparatus for generating a movement vector for a movement compensation by means of an inter-frame prediction, when encoding a preset image information including an image of a plurality of frames by using the movement compensation, said apparatus comprising:

A ( a plurality of generating devices each for generating the movement vector corresponding to a search range and a search accuracy between one frame and another frame, for each pixel block which is located within said one frame respectively in the image information and includes

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Atty-Dkt. 1767-43

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Title: MOVEMENT VECTOR GENERATING APPARATUS AND METHOD, AND IMAGE  
ENCODING APPARATUS AND METHOD

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**RESPONSE/AMENDMENT/LETTER**

This is a response/amendment/letter in the above-identified application and includes an attachment which is hereby incorporated by reference and the signature below serves as the signature to the attachment in the absence of any other signature thereon.

**Fees are attached as calculated below:**

Total effective claims after amendment 24 minus highest number  
previously paid for 20 (at least 20) = 4 x \$ 18.00 \$ 72.00

Independent claims after amendment 8 minus highest number  
previously paid for 4 (at least 3) = 4 x \$ 84.00 \$ 336.00

If proper multiple dependent claims now added for first time, add \$280.00 (ignore improper) \$ 0.00

Petition is hereby made to extend the current due date so as to cover the filing date of this  
paper and attachment(s) (\$110.00/1 month; \$400.00/2 months; **\$920.00/3 months**) \$ 920.00

Terminal disclaimer enclosed, add \$ 110.00 \$ 0.00

☐ First/second submission after Final Rejection pursuant to 37 CFR 1.129(a) (\$740.00) \$ 0.00

☐ Please enter the previously unentered, filed

☐ Submission attached

**Subtotal \$ 1328.00**

If "small entity," then enter half (1/2) of subtotal and subtract -\$ 0.00

☐ Applicant claims "small entity" status. ☐ Statement filed herewith

Rule 56 Information Disclosure Statement Filing Fee (\$180.00) \$ 0.00

Assignment Recording Fee (\$40.00) \$ 0.00

Other: 0.00

**TOTAL FEE ENCLOSED \$ 1328.00**

The Commissioner is hereby authorized to charge any deficiency, or credit any overpayment, in the fee(s) filed, or asserted to be filed, or which should have been filed herewith (or with any paper hereafter filed in this application by this firm) to our Account No. 14-1140. A duplicate copy of this sheet is attached.

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By Atty: Michael J. Shea, Reg. No. 34,725

Signature: Michael J. Shea

07/31/2002 HMARZ11 00000048 09271905

03 FC:117

920.00 OP